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Container in Kegelform

The invention refers to a container in Kegelform for the admission of an ice-cream packing, primarily a conical Eiswaffel with the opening cone end of the locking, fit in cover, whereby containers and covers from liquid-close material are.

A container of the kind evenly specified is well-known from the US-PS 3.170.568. It, as well as the pertinent cover are einstückig out manufactured with wax impregnated paper, which is if necessary on one side covered with a plastic film. The material is obscurely, however liquid.

In the circle opening of the far cone end the cover is fastened by means of an thermalactive adhesive, in order to obtain a hermetic conclusion.

Containers of the kind evenly specified are used in order to prefabricate ice-cream industrially of transporting to the dealer and of reproaching there up to the sales. The container serves as sleeve for the ice-cream packing. It keeps away from its dirt and prevents that the ice-cream withdraws in inadvertent way from the container. Further the container, under its form-rigid Kegelform, stabilizes the ice packing. It takes up smaller impacts and prevents that one is damaged if necessary inside Eiswaffel present. At the same time the container forms a insulating envelope for the ice packing, which, a still correctly put on cover presuppose-end, the ice-cream a certain time keeps cool.

For the consumption the cover is taken off and the ice-cream packing is taken altogether the container.

The exterior of the container and the cover can be provided with advertisement.

The available invention is the basis the task to improve the container of the kind initially specified in such a way while maintaining its advantages that it is customer-friendlier both with the purchase and with the consumption of the ice packing.

This task is solved according to invention by the fact that between the two cone ends along an extent line of the cone coat at least one target break line is present, and that the material is transparent.

The container according to invention has all advantages of the before-well-known. It forms a sturdy sleeve around the ice-cream packing, so that this is optimally protected during transport and with the dealer.

With the sales it has the large advantage that the customer, under the transparent material, has the view freely on the ice-cream packing. It cannot be irritated thus by the advertisement at the exterior of the container. It does not have to be content with a photograph of the ice packing contained in it, it sees the original. It can measure directly whether it wishes to buy and verzehren the ice contained in the container or not. The ice-cream packing can at its exterior with pictures, labels etc. provided its. It can exhibit for this a paper, a cardboard covering or the well-known Eiswaffel. The also latter can be provided at its exterior with labels, pictures, which the customer sees by the transparent container covering through. It works particularly favourably, if in the container according to invention at its exterior colored or black-and-white printed on and/or. coined/shaped Eiswaffeln are arranged. Both the pressure and the coinage are from the outside well visible and work impressing.

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The container according to invention offers however not only advantages to the customer with the purchase, but also with the consumption. It can open and separate the container in the range of its cone coat and the wunschweise upper and/or. the lower container part remove. Usually it will remove the upper container part. In this case it can leave the lower container part at the ice-cream packing. It serves then as Griffstück and further as sleeve for the packing. The warmth of the hand holding is not passed so easily to the packing, so that it thaws out only later in the lower part. This is primarily important for children, since they do not verzehren the ice so briskly partly and it occurs again and again that liquid ice become down-drips. The lower container part prevents thus the rash thawing and Aufweichen of the cone top of the ice packing out. At the same time it protects the point of a Eiswaffel sensitive to break. The part of the ice-cream packing existing above the target break line is however accessible to the consumption freely.

The target break line can be before-coined/shaped into the material. To their the material is consciously thinner and/or. arranges less reissfest, in order to make possible the loosening of the container parts purposefully.

The container can be from each other separated for example thereby along the target break line that one seizes it with both hands on the left and on the right the target break line and the two parts against each other rotated. By the torsion the container at the target break line tears up, whereby the container part wished in each case can be removed.

The container according to invention fulfills two each other contrary objectives in surprising way. It mediate to the manufacturer advantages, since it ensures that probably-keep the prefabricated ice-cream packing contained in it be transported and kept available can. The manufacturer has also the possibility, the actual product of showing i.e. the ice-cream packing directly the customer.

The customer has the advantage that he can see accurate, what he buys and that the container makes the gradual benefit of the ice packing for him possible.

During a favourable further training of the invention it is intended that the material consists of a transparent foil. The foil can for forming the container diversely rolled and/or are folded. It can favourable-proves of plastic to consist and be relatively rigidly and at the same time relatively flexible. Stiffness and flexibility determine the protective effect of the container. It should be able smaller impacts to take up, thus slightly deform, on the other hand be so rigid that the ice-cream packing contained in the container is not damaged. Stiffness and the flexibility at the same time determine the behavior of the container when opening. There the desire exists that the container material is not so rigid that after loosening of the target break line the container halves cannot be removed easily.

In order to facilitate the release and separation of the container, it is possible, above and below the target break line one handles to plan. It can be formed for example by a distant edge of foil. In addition, it is possible to form it in accordance with another further training of the invention than independent lax ones.

The container according to invention leaves itself favourable-proves simply thereby to form that its Kegelform is formed by a cut, its connecting sides to overlap, whereby the connecting sides are fastened with one another in the lap range by means of a transparent adhesive.

The transparent adhesive ensures for the fact that the mutual attachment of the connecting sides within the lap range does not disturb optically.

The same applies to the attachment of the cover in the cone opening of the container. Also it can be bonded by means of a transparent adhesive there.

The container can be manufactured in accordance with a favourable further training simply and fast by a cut, which has into for instance the form of a triangle, whereby a triangle side in for instance is formed by a circular arc. The lap range runs approximately toward a producing, from the point of the cone to its basis.

For forming a release tire in the container wall two target break being in the cone lateral surface can be planned, those with distance z during a favourable further training of the invention. B. are parallel to each other arranged. The release tire can for seizing one handles exhibits. It can be for example in the lap range and be trained as protruding tongue one of the two connecting sides.

In order to be able to open the container still more comfortably, a target break line can be near the cover and parallel to this arranged. If a such target break line with such is combined in the elevator center of the cone, then one can replace as it were entire upper container parts in a broad strip. Those the cover closer target break line can be formed for example by the cover sticking.

If one arranges a target break line in for instance in accordance with a favorable further training of the invention in the elevator center of the cone, then exists the possibility, the upper container part, thus those with the basis of the cone as it were as stand for the ice packing to vörwenden and for the lower container part with the point. If one sets the upper container part with the basis to a surface area, then resulting in opening can introduce themselves along the target break line the ice packing as well as the lower container part and to it be turned off by when dividing the container.

In the following remark examples are described on the basis a design.

Show: Figure 1 a cut for a first execution form of the container with a target break line for instance in the elevator center of the cone and a fakultativen second target break line in the cover area, Figure 2 the side view of a formed container according to invention as well as for this suitable cover, Figure 3 the side view of a saleable container also in the cone opening of fastened cover and an ice-cream packing in it, Figure 4 the plan view on a cut of a further execution form with in for instance in the elevator center of the cone of running release tire, Figure 5 a side view on a finished, closed container in accordance with the second execution form of figure 4 and Figure 6 a side view on a container according to invention, whose cone was separated in standing form horizontal into an upper and a lower part, whereby the container part with the cone opening stands on a surface area and a stand for the remaining container part and the ice packing forms.

In the figure 1 a cut 1 for a first execution form of the invention is shown. The cut is arranged in approximately dreiecksförmig, whereby two of these pages are long equal 2 and 3 and represent connecting sides, which lie on top of each other during forming the cone in within figure 2 the represented lap range 4 and is fastened with one another.

The third triangle side is formed for its basis approximately by a circular arc 5, the late with the finished container the opening of the cone, thus represents. Parallel to this circular elbow the cut in the later elevator center of the cone exhibits a first target break line 6. In the case shown it runs with the standing container of figure 2 along a horizontal extent line of the cone. In addition, it can run wind-inclined to the cutting plane defined thereby or form any different formation, if this becomes desired.

The cut 1 of figure 1 shows fakultativ a further target break line 7, which runs in approximately parallel to the circular elbow 5 and exhibits a relatively small distance to this. With the finished container in accordance with figure 2 this fakultative target break line 7 within the range of the opening of the cone, thus, runs where with the finished container in figure 2 cover likewise shown 8 is arranged.

For manufacturing the container in accordance with figure 2 the cut is rolled in such a way that the lap range in approximately runs along one producing the cone, thus in approximately straight-lined from the cone top 9 to the basis 10. In the lap range the connecting sides of the cut are fastened with the help of a transparent adhesive with one another.

The cover possesses the form of a truncated cone and is in such a way adapted with its diameter of the basis 10 of the container 11 the fact that it locks the container within the range of the cone opening circulating and therein with a transparent adhesive can be for example likewise fastened.

The target break line 6 divides the container into a lower half of 12 and upper 13. The division takes place in for instance in the elevator center of the cone. With the available remark example is above the target break line 6 at the connecting side 2 one handles 14 in form of a protruding lax one arranged. It serves the target break line for the release and for removing the upper container part of 13.

The container according to invention 11 serves to an ice-cream packing 15 as the admission, as it is shown for example in figure 3. It consists of a conical Eiswaffel, which contains inside the actual ice-cream. The container is in the available case from a liquid-close material, i.e. a transparent plastic foil 18 manufactured. Consequently the ice-cream packing is from the outside visible in favourable way.

The foil material is relatively rigidly and at the same time relatively flexible, in order to ensure for the ice-cream packing sufficiently protection to make at the same time but removing more difficult the container for the consumption of the ice packing not.

The cover 8 consists of the same material and is again bonded with a transparent adhesive into the cone opening of the container. Sticking can favourable-proves as target break line to be implemented, in order to simplify and arrange the replacement of the upper container part 13 if necessary more comfortable.

The figure 5 shows a further execution form of the invention, with which for instance in the elevator center of the cone two target break being 6, 19 are to each other horizontal running on an extent line of the cone arranged so parallel and with small distance that thereby a release tire is formed, which handles 16 by means of one be seized and for division of the container in upper and a lower half be taken off can.

Figure 6 shows an arrangement, with which the upper container part serves 13 as stand for the lower container part 12. The upper container part of 13 is taken off after separating from the lower container part and set with the basis side 5 to a road-contact area 17. After it is a truncated cone, the possibility consists of introducing over its smaller, there upward arranged opening, the other, i.e. lower container part of 12 and of turning it off of it.

This possibility exists indifferently whether the upper container part 13 still with the cover is provided or not. The one possibility was represented in the left lower half of the container, the other one in the right half.

The container according to invention has various advantages. The customer can see the ice packing before it it buys. To open the container it is sufficient, if it divides the container along a target break line, leaves a container half primarily the upper far away and the remaining container half first.